

WASHINGTON STATE DEPARTMENT OF HEALTH OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS

ANNUAL GROWING AREA REVIEW

PREPARED BY: Donald Melvin, Environmental Specialist

AREA: Hood Canal #7

YEAR ENDING: December 31, 2005

CLASSIFICATION: Approved

ACTIVITIES IN THE GROWING AREA IN 2005:

Samples were collected from the growing area 6 times during the year using the systematic random sampling method. The area was closed for 7 days due to elevated levels of vibrio parahaemolyticus. A routine evaluation of the shellfish area was completed in 2005. DOH evaluated 76 drainages or discharge points and 271 developed parcels along 8 miles of shoreline. Four of the identified shoreline discharges were found to have periodically elevated fecal coliform levels and closure zones are recommended around three of these four. Three developed parcels were defined as indirect impacts to the marine shoreline and closure zones were recommended at these sites. Detailed information on the size and location of the closure zones is provided in the shoreline survey report. Copies of the report have been sent to Mason County. The Twanoh State Park tidelands were closed due to failure of the park's on-site sewage system.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

The results of the 2005 shoreline survey indicate that the area is being impacted by localized pollution sources at several locations along the marine shoreline. The Twanoh State Park sewage treatment system was determined to be failing.

CLASSIFICATION STATUS:

- ☒ Well within the classification standards
- ☐ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Table #1 shows that all stations meet the NSSP water quality standards for approved classification. The pollution discharges identified during the shoreline survey and the failing on-site system at the State Park are localized and do not impact areas that are currently being harvested commercially. Mason County and the State Parks Department are aware of the problems and are working toward resolution. Hood Canal #7 is correctly classified as Approved. Shoofly Creek on the north shore and two unnamed streams on the south shore are on the 303D list for fecal coliform.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: HOOD CANAL #7

Classification: **Approved**

From 01/03/2001 To 12/13/2005

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
236	Approved	30	1.7 - 23.0	2.1	5.0	Yes
237	Approved	30	1.7 - 17.0	2.0	3.0	Yes
238	Approved	30	1.7 - 79.0	2.5	7.0	Yes
239	Approved	30	1.7 - 110.0	3.5	13.0	Yes
240	Approved	30	1.7 - 110.0	2.6	9.0	Yes
241	Approved	30	1.7 - 79.0	3.0	12.0	Yes
242	Approved	30	1.7 - 540.0	2.5	10.0	Yes
243	Approved	30	1.7 - 350.0	2.7	11.0	Yes
244	Approved	30	1.7 - 43.0	2.7	7.0	Yes
245	Approved	30	1.7 - 49.0	2.5	6.0	Yes
246	Approved	30	1.7 - 33.0	2.2	5.0	Yes
247	Approved	30	1.7 - 51.0	2.7	8.0	Yes
248	Approved	30	1.7 - 79.0	3.3	14.0	Yes
249	Approved	30	1.7 - 79.0	2.4	7.0	Yes
250	Approved	30	1.7 - 280.0	2.2	8.0	Yes
251	Approved	30	1.7 - 140.0	2.5	7.0	Yes

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

